

Examiner:

Art Unit:

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of
COMER et al.

Patent No.: 5,845,300

Issue Date: December 1, 1998

Reissue No.:

Filing Date: December 1, 2000

For: METHOD AND APPARATUS FOR

> SUGGESTING COMPLETIONS FOR A PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED, ASSOCIATED

DATA ITEMS

## REISSUE APPLICATION DECLARATION BY THE ASSIGNEE

**Assistant Commissioner for Patents** Washington, DC 20231

Dear Sir:

I hereby declare that:

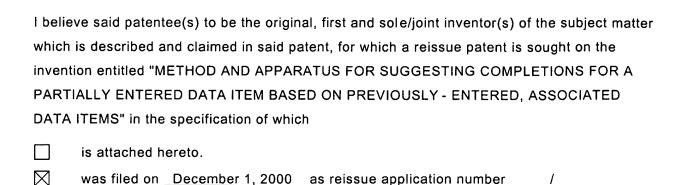
My residence and mailing address and citizenship are stated below next to my name.

I am authorized to act on behalf of the following assignee: Microsoft Corporation and the title of my position with said assignee is: Assistant Secretary.

The entire title to the patent identified below is vested in said assignee.

Name of Patentee(s):			
ROSS WARD COMER, ADAM BRETT STEIN and DAVID RUSSELL WILLIAMS, JR.			
Patent Number:	Date Patent Issued		
5,845,300	December 1, 1998		
Title of Invention:			
METHOD AND APPARATUS FOR SUGGESTING COMPLETIONS FOR A			
PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED,			
ASSOCIATED DATA ITEMS			





I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

(if applicable)

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

by reason of a defective specification or drawing.

by reason of the patentee claiming more or less than he had the right to claim in the patent.

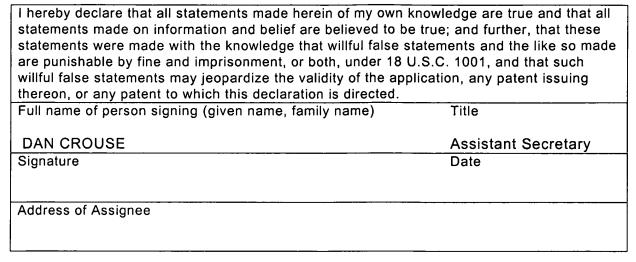
by reason of other errors.

and was amended on

At least one error upon which reissue is based is described as follows:

Originally filed claim 1 of U.S. Patent No. 5,845,300 was rejected by prior art teaching a search region defined by an entire database. The prosecuting attorney, in amending claim 1, restricted the search region to "a table of contiguous data-containing cells encompassing said active cell and bordered by empty cells." This limitation is overly narrow and should be broadened to less restrictive search regions disclosed in the patent specification.

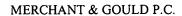
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.



Patentee	Citizenship
ROSS WARD COMER	U.S.A.
Residence/Mailing Address	City, State, Zip Code
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Patentee	Citizenship
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Residence/Mailing Address	City, State, Zip Code
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Patentee	Citizenship
DAVID RUSSELL WILLIAMS, JR. Residence/Mailing Address	U.S.A. City, State, Zip Code
615 MT. CEDAR DRIVE	ISAQUAH, WA 98027



# **United States Patent Application**

# POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Albrecht, John W.	Reg. No. 40,481	Lacy, Paul E.	Reg. No. 38,946
Ali, M. Jeffer	Reg. No. 46,359	Larson, James A.	Reg. No. 40,443
Anderson, Gregg I.	Reg. No. 28,828	Leon, Andrew J.	Reg. No. 46,869
Batzli, Brian H.	Reg. No. 32,960	Leonard, Christopher J.	Reg. No. 41,940
Beard, John L.	Reg. No. 27,612	Liepa, Mara E.	Reg. No. 40,066
Berns, John M.	Reg. No. 43,496	Lindquist, Timothy A.	Reg. No. 40,701
Black, Bruce E.	Reg. No. 41,622	Lycke, Lawrence E.	Reg. No. 38,540
Branch, John W.	Reg. No. 41,633	Mayfield, Denise L.	Reg. No. 33,732
Bremer, Dennis C.	Reg. No. 40,528	McDonald, Daniel W.	Reg. No. 32,044
Bruess, Steven C.	Reg. No. 34,130	McIntyre, Jr., William F.	Reg. No. 44,921
Byrne, Linda M.	Reg. No. 32,404	Mitchem, M. Todd	Reg. No. 40,731
Campbell, Keith	Reg. No.P-46,597	Mueller, Douglas P.	Reg. No. 30,300
Carlson, Alan G.	Reg. No. 25,959	Nichols, A. Shane	Reg. No. 43,836
Caspers, Philip P.	Reg. No. 33,227	Pauly, Daniel M.	Reg. No. 40,123
Chiapetta, James R.	Reg. No. 39,634	Phillips, Bryan K.	Reg. No. P-46,990
Clifferd, John A.	Reg. No. 30,247	Phillips, John B.	Reg. No. 37,206
Coldren, Richard J	Reg. No 44,084	Prendergast, Paul	Reg. No. 46,068
Daigault, Ronald A.	Reg. No. 25,968	Pytel, Melissa J.	Reg. No. 41,512
Daley, Dennis R.	Reg. No. 34,994	Qualey, Terry	Reg. No. 25,148
Dalglish, Leslie E.	Reg. No. 40,579	Reich, John C.	Reg. No. 37,703
Daulton, Julie R.	Reg. No. 36,414	Reiland, Earl D.	Reg. No. 25,767
De Vries Smith, Katherine M.	Reg. No. 42,157	Samuels, Lisa A.	Reg. No. 43,080
DiPietro, Mark J.	Reg. No. 28,707	Schmaltz, David G.	Reg. No. 39,828
Edelli Robert T.	Reg. No. 20,187	Schuman, Mark D.	Reg. No. 31,197
Epp Ryan, Sandra	Reg. No. 39,667	Schumann, Michael D.	Reg. No. 30,422
Gla <del>nç</del> e, Robert J.	Reg. No. 40,620	Scull, Timothy B.	Reg. No. 42,137
Goggin, Matthew J.	Reg. No. 44,125	Sebald, Gregory A.	Reg. No. 33,280
Golfa, Charles E.	Reg. No. 26,896	Skoog, Mark T.	Reg. No. 40,178
Gorman, Alan G.	Reg. No. 38,472	Spellman, Steven J.	Reg. No. 45,124
Gould, John D.	Reg. No. 18,223	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Gregson, Richard	Reg. No. 41,804	Sumner, John P.	Reg. No. 29,114
Gresens, John J.	Reg. No. 33,112	Swenson, Erik G.	Reg. No. 45,147
Hamer, Samuel A.	Reg. No. 46,754	Tellekson, David K.	Reg. No. 32,314
Hamre, Curtis B.	Reg. No. 29,165	Trembath, Jon R.	Reg. No. 38,344
Harrison, Kevin C.	Reg. No.P-46,759	Tuchman, Ido	Reg. No. 45,924
Hertzberg, Brett A.	Reg. No. 42,660	Tunheim, Marcia A	Reg. No. 42,189
Hillson, Randall A.	Reg. No. 31,838	Underhill, Albert L.	Reg. No. 27,403
Holzer, Jr., Richard J.	Reg. No. 42,668	Vandenburgh, J. Derek	Reg. No. 32,179
Johnston, Scott W.	Reg. No. 39,721	Wahl, John R.	Reg. No. 33,044
Kadievitch, Natalie D.	Reg. No. 34,196	Weaver, Karrie G.	Reg. No. 43,245
Karjeker, Shaukat	Reg. No. 34,049	Welter, Paul A.	Reg. No. 20,890
Kastelic, Joseph M.	Reg. No. 37,160	Whipps, Brian	Reg. No. 43,261
Kettelberger, Denise	Reg. No. 33,924	Whitaker, John E.	Reg. No. 42,222
Keys, Jeramie J.	Reg. No. 42,724	Wickhem, J. Scot	Reg. No. 41,376
Knearl, Homer L.	Reg. No. 21,197	Williams, Douglas J.	Reg. No. 27,054
Kowalchyk, Alan W.	Reg. No. 31,535	Withers, James D.	Reg. No. 40,376
Kowalchyk, Katherine M.	Reg. No. 36,848	Witt, Jonelle	Reg. No. 41,980

الية:

In addition, I also hereby appoint the following attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Kate E. Sako, Reg, No. 32,628 Daniel D. Crouse, Reg. No. 32,022

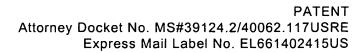
I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Homer L. Knearl Merchant & Gould P.C. P.O. Box 2910 Minneapolis, MN 55402-0910 303.357.1633

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby declare that all statements made herein of my own knowledge are true and that all				
statements made on information and belief are believed to be true; and further, that these				
statements were made with the knowledge that willful false sta	tements and the like so made			
are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such				
willful false statements may jeopardize the validity of the application, any patent issuing				
thereon, or any patent to which this declaration is directed.				
Full name of person signing (given name, family name)	Title			
DAN CROUSE	Assistant Secretary			
Signature	Date			
Address of Assignee				



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re l	Reissue Application of			
COMER et al.		Examiner:		
Patent No.: 5,845,300		Art Unit:		
Issue Date: December 1, 1998				
Reissue No.:				
Filing	Date: December 1, 2000			
For: METHOD AND APPARATUS FOR SUGGESTING COMPLETIONS FOR A PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED, ASSOCIATED DATA ITEMS				
	STATEMENT UNDER 37 (	CFR 3.73(b)		
Box R	tant Commissioner for Patents Reissue ington, DC 20231			
Dear :	Sir:			
Applicant/Patent Owner: ROSS WARD COMER ET AL.  Application No./Patent No.: 5,845,300 Filed/Issue Date: December 1, 1998  Entitled: METHOD AND APPARATUS FOR SUGGESTING COMPLETIONS FOR A PARTIALLY  ENTERED DATA ITEM BASED ON PREVIOUSLY -ENTERED, ASSOCIATED DATA ITEMS  Microsoft Corporation , a corporation , (Type of Assignee, e.g., corporation, partnership, university, etc.)				
states that it is:  1. \( \sum \) the assignee of the entire right, title, and interest; or				
۷	2. an assignee of less than the entire right, title and interest.  The extent (by percentage) of its ownership interest is			
in the p	patent application/patent identified above by virtue of eith	er:		
A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				







OR

	From:		To:the United States Patent and Trademark Office at
	Reel	, Frame	, or for which a copy thereof is attached.
2.	From:		To:he United States Patent and Trademark Office at
	Reel	, Frame	, or for which a copy thereof is attached.
3.	From:		To:he United States Patent and Trademark Office at
	Reel	, Frame	, or for which a copy thereof is attached.
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must recor	be submitted ded in the red	to Assignment Divisions of the USPTO.	ion in accordance with 37 CFR Part 3, if the assignment is to be See MPEP 302.08]
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must recor	be submitted ded in the rec signed (whos	to Assignment Divisions of the USPTO.	ion in accordance with 37 CFR Part 3, if the assignment is to be See MPEP 302.08]  bw) is authorized to act on behalf of the assignee.
must recor The under	be submitted ded in the rec signed (whos	to Assignment Divisions of the USPTO.	ion in accordance with 37 CFR Part 3, if the assignment is to be See MPEP 302.08]  bw) is authorized to act on behalf of the assignee.  DAN CROUSE
must recor The under	be submitted ded in the rec signed (whos	to Assignment Divisions of the USPTO.	ow) is authorized to act on behalf of the assignee.  DAN CROUSE





## PATENT Attorney Docket No. MS#39124.2/40062.117USRE Express Mail Label No. EL661402415US

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of

COMER et al.

Patent No.: 5,845,300

Issue Date: December 1, 1998

Reissue No.:

Filing Date: June 5, 1996

For: METHOD AND APPARATUS FOR

SUGGESTING COMPLETIONS FOR A PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED, ASSOCIATED

DATA ITEMS

Examiner:

Art Unit:



### REISSUE APPLICATION: CONSENT OF ASSIGNEE

Assistant Commissioner for Patents Washington, DC 20231

Dear Sir:

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

ROSS WARD COMER; ADAM BRETT STEIN; DAVID RUSSELL WILLIAMS, JR.

Patent Number

**Date Patent Issued** 

5,845,300

Dec. 1, 1998

Title of Invention

METHOD AND APPARATUS FOR SUGGESTING COMPLETIONS FOR A PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED, ASSOCIATED DATA ITEMS

Filed herein is a statement under 37 CFR 3.73(b).

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

12/06/2000 JBALIHAN 00000087 09728080

04\_FC:581 40.00 BR 40.00 DP



The assignee(s) owning an undivided interest in said original patent is <u>Microsoft Corporation</u> and the assignee(s) consents to the accompanying application for reissue.

Name of Assignee:		
MICROSOFT CORPORATIO	N	
Signature	Title	Date
	Assistant Secre	tary
Typed or printed name and title	of person signing for assignee (if ass	igned)
Dan Crouse		



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of				
COMER et al.	Examiner:			
Patent No.: 5,845,300	Art Unit:			
Issue Date: December 1, 1998				
Reissue No.:				
Filing Date: December 1, 2000				
For: METHOD AND APPARATUS FOR SUGGESTING COMPLETIONS FOR A PARTIALLY ENTERED DATA ITEM BASED ON PREVIOUSLY-ENTERED, ASSOCIATED DATA ITEMS				
REISSUE APPLICATION DECLARATION BY THE INVENTORS				
Assistant Commissioner for Patents Washington, DC 20231				
Dear Sir:				
As a below named inventor, I hereby declare that:				
My residence, mailing address and citizenship are state	ed below next to my name.			
I believe I am the original, first and sole inventor (if only	y one name is listed below) or an			
original, first and joint inventor (if plural names are liste	ed below) of the subject matter which is			
described and claimed in patent number 5,845,300, granted December 1, 1998, and for which a				
reissue patent is sought on the invention entitled "METI	HOD AND APPARATUS FOR			
SUGGESTING COMPLETIONS FOR A PARTIALLY EN	TERED DATA ITEM BASED ON			
PREVIOUSLY-ENTERED, ASSOCIATED DATA ITEMS,	," the specification of which			
is attached hereto.				
was filed on <u>December 1, 2000</u> , as reissue app and was amended on	·			
and was amended on(if applicable)	<del></del>			
I have reviewed and understand the contents of the above-identified specification, including the				

claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is materials to patentability as defined in				
37 CFR 1.56.				
I verily believe the original patent to be wholly or partly inoperative or invali	d, for the reasons			
described below. (Check all boxes that apply.)				
by reason of a defective specification or drawing.				
by reason of the patentee claiming more or less than he had the right patent.	nt to claim in the			
by reason of other errors.				
At least one error upon which reissue is based is described below. If the re	issue is a			
broadening reissue, such must be stated with an explanation as to the natural	re of the broadening:			
Originally filed claim 1 of U.S. Patent No. 5,845,300 was rejected by private search region defined by an entire database. The prosecuting attorney, 1, restricted the search region to "a table of contiguous data-containing said active cell and bordered by empty cells." This limitation is overly not broadened to less restrictive search regions disclosed in the patent specific.	in amending claim cells encompassing arrow and should be			
I hereby declare that all statements made herein of my own knowledge are statements made on information and belief are believed to be true; and furth statements were made with the knowledge that willful false statements and punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and the statements may jeopardize the validity of the application, any patent issuing patent to which this declaration is directed.	ner, that these the like so made are nat such willful false			
Full name of sole or first inventor (given name, family name)				
ROSS WARD COMER				
Inventor's Signature	Date			
Residence	Citizenship			
BOTHELL, WASHINGTON	U.S.			
Mailing Address				
7216 NE 171st LANE, BOTHELL, WA 98011				
Full name of second joint inventor (given name, family name)				
ADAM BRETT STEIN				
Inventor's Signature	Date			





Residence	Citizenship
BELLEVUE, WASHINGTON	U.S.
Mailing Address	
9840 NE 22nd STREET, BELLEVUE, WA 98004	
Full name of third joint inventor (given name, family name)	
DAVID RUSSELL WILLIAMS, JR.	
Inventor's Signature	Date
	·
Residence	Citizenship
ISAQUAH, WASHINGTON	U.S.
Mailing Address	
615 MT. CEDAR DRIVE, ISAQUAH, WA 98027	